



*Illuminating. Always.*



# KPDM

## 20" x 8" Panoramic Display Module

The Korry Panoramic Display Module (KPDM) uses a 20" x 8" active matrix liquid crystal display (AMLCD) and life-of-the-aircraft innovative backlight delivering a visual performance second to none.

The KPDM is designed as a slim (2.0 inch depth) low power solution ensuring ease of integration. Combined with the native 8-bit color depth with HDR capability, high contrast ratio (20:1 HACR; 1,000:1 DACR) and color stability, the KPDM

provides a superior human machine experience in most cockpit and land vehicle integrations.

The architecture supports dual channel interfaces with fault-tolerant performance increasing the reliability of this display's integration into part 23, part 25, part 27 and land vehicle applications.

Options exist for bezel interface, viewing envelopes, video interfaces and data interfaces.



## Product Specifications

### KPDM 20" x 8" Panoramic Display Module

Electro-optical	
Panel type	IPS
Panel active area	21.5" diagonal (20.0" x 8.0")
Panel resolution	2560 x 1024
Color depth	True 8-bit – 16.2 million colors
Viewing angle	H: +/-30° ; V: +/-30°
Backlight	Direct view LED backlight
Backlight life	180,000 hours
Luminance	6.0 up to 600fL day mode ≤0.05 up to 12fL night mode 0.03 to 25fL NVIS mode
Dimming	Serial Command
Readability	Contrast ratio @ 8,000 fc high ambient 24:1 dark ambient 1000:1
NVG compatibility	MIL-STD-3009 Type I/II, NVIS Class B MIL-STD-3009 Class A Bezel

Interfaces	
Brightness control	Remote / Bezel
Video inputs	DVI / ARINC 818
Physical	MIL-DTL-38999L
Data	ARINC 429 / RS-422
Bezel	Custom bezel available
Touchscreen	Multi-touch digital resistive
General	
Power supply	28VDC, MIL-STD-704A
Power consumption	70W max luminance
Outline dimensions	21.6" x 9.7" x 2.0"
Weight	17.0lbs max
Cooling	Passive cooling
Response time	20ms @40°C
Startup time	< 200ms
Environmental	
Compliance	DO-160E, MIL-STD-461E, MIL-STD-810E
Operational temperature	-45°C to +71°C
Storage temperature	-55°C to +85°C
Altitude	65,000 ft

## Key Features:

- Full array LED backlight for low power and long life
- Best in class true 8-bit AMLCD for superior color rendering
- Lifetime guaranteed brightness and color range over the operating temperature of the display
- Fully environmentally tested with continuous operations up to 71°C
- NVIS Class B compatibility
- Dual redundant, fault tolerant digital resistive touch screen
- Passively cooled slim, lightweight design



**Korry**  
Illuminating. Always.

For more information contact us at:  
+1 425-297-9700 or sales@korry.com

[www.korry.com](http://www.korry.com)

Korry Electronics  
11910 Beverly Park Rd.  
Everett, WA 98204

APPROVED FOR PUBLIC RELEASE | DISTRIBUTION UNLIMITED

The information and data given are typical for the equipment described. However, any individual item is subject to change without any notice